DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

DATE: August 17, 2017

BAA

FROM: Brent A. Story, P.E., State Design Policy Engineer

TO: Divisions of Engineering, Permits/Operations, Local Grants/Field Districts,

Construction, TIA and P3/Program Delivery

SUBJECT: Cable Barrier Special Design Detail

Effective September 1, 2017, the attached *Cable Barrier Special Design Detail* has been developed for use on all new permanent installations and full replacements of cable barrier inside the median of a divided highway. The detail was prepared with respect to guidelines published in the 2011 AASHTO Roadside Design Guide. The Department will publish this Special Design Detail as a formal GDOT Construction Standard as soon as we receive concurrence from FHWA.

The following procedures shall be followed on all cable barrier installations:

- 1) The Cable Barrier Special Design Detail will be provided in all Plan Submittal Packages where cable barrier is to be installed.
- 2) Cable barrier shall be installed per the manufacturer's instructions and specifications.
- 3) Slope controls inside the median (foreslope and backslope) are based on median ditch width.
- 4) If the far-side approach backslope is WITHIN clear zone it must be graded to applicable slope specifications as shown on the Cable Barrier Special Design Detail.
- 5) If the far-side approach backslope is OUTSIDE clear zone it may vary no steeper than 2:1.

The Cable Barrier Special Design Detail is maintained by the Office of Design Policy and Support and is available upon request. If you have any questions contact Frank Flanders (<u>fflanders@dot.ga.gov</u>) at (404) 631-1663 or Holly Cross (<u>hcross@dot.ga.gov</u>) at (404) 347-0578.

Attachment BAS:DGP:fbf

Cc: Federal Highway Administration, Georgia Division American Council of Engineering Companies (ACEC)/Georgia Chapter Georgia Highway Contractors Association (GHCA)

